

**Table 3 Construction Quality Assurance Control Points for the Fines Pile Evapotranspirative Cover
Former ASARCO Smelter Site, El Paso, TX**

Total CQA Locations		124	
	1.000	124	100%
	-0.001	0	0%
	-0.05	0	0%
	#VALUE!	0	0%
Total Points Listed		124	

CQA CONTROL POINT #	SUBGRADE WASTE LAYER			CLAY LAYER		ET COVER		Notes
	Northing	Easting	Elevation	As-Built Elevation	Difference	As-Built Elevation	Difference	
				ECS Survey	Δ in FT	ECS Survey	Δ in FT	
1	10667016.76	374845.32	3832.15	3833.26	1.11	3835.28	3.13	
2	10666983.61	374809.23	3831.95	3833.02	1.07	3835.04	3.09	
3	10666983.61	374859.23	3831.96	3832.97	1.01	3835.03	3.07	
4	10666983.61	374909.23	3831.75	3832.90	1.15	3834.81	3.06	
5	10666983.61	374959.23	3831.69	3832.73	1.04	3834.76	3.07	
6	10666983.61	375009.23	3831.47	3832.54	1.07	3834.52	3.05	
7	10666983.61	375059.23	3830.97	3832.08	1.11	3834.07	3.10	
8	10666933.61	375009.23	3831.08	3832.23	1.15	3834.09	3.01	
9	10666933.61	374959.23	3831.21	3832.32	1.11	3834.23	3.01	
10	10666933.61	374909.23	3831.30	3832.32	1.02	3834.30	3.00	
11	10666933.61	374859.23	3831.36	3832.59	1.23	3834.41	3.05	
12	10666933.61	374809.23	3831.72	3832.93	1.21	3834.72	3.00	
13	10666883.61	374759.23	3831.83	3832.92	1.09	3835.11	3.28	
14	10666883.61	374809.23	3831.74	3832.78	1.04	3834.75	3.01	
15	10666883.61	374859.23	3831.39	3832.47	1.08	3834.39	3.00	
16	10666883.61	374909.23	3830.92	3832.05	1.13	3833.96	3.04	
17	10666883.61	374959.23	3830.71	3831.91	1.20	3833.73	3.01	
18	10666883.61	375009.23	3830.32	3831.38	1.06	3833.41	3.09	
19	10666833.61	374959.23	3830.41	3831.51	1.10	3833.47	3.06	
20	10666833.61	374909.23	3831.19	3832.25	1.06	3834.25	3.06	
21	10666833.61	374859.23	3831.61	3832.69	1.08	3834.61	3.00	
22	10666833.61	374809.23	3831.87	3833.00	1.13	3834.89	3.02	
23	10666833.61	374759.23	3831.82	3832.91	1.09	3835.17	3.34	
24	10666783.61	374809.23	3831.90	3833.10	1.20	3835.07	3.16	
25	10666783.61	374859.23	3831.63	3832.68	1.05	3834.64	3.01	
26	10666783.61	374909.23	3831.20	3832.37	1.17	3834.23	3.03	
27	10666783.61	374959.23	3830.43	3831.49	1.06	3833.45	3.02	
28	10666733.61	374909.23	3831.07	3832.08	1.01	3834.17	3.10	
29	10666733.61	374859.23	3831.30	3832.30	1.00	3834.70	3.40	
30	10666815.89	374751.68	3831.53	3832.96	1.43	3834.96	3.43	
31	10666778.70	374784.91	3831.58	3833.04	1.46	3835.12	3.54	
32	10666745.78	374822.55	3831.44	3832.78	1.34	3834.78	3.34	

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	Northing	Easting	Elevation	As-Built Elevation	Difference	As-Built Elevation	Difference	
				ECS Survey	Δ in FT	ECS Survey	Δ in FT	
33	10666714.55	374861.51	3830.95	3832.16	1.21	3834.12	3.17	
34	10666695.83	374905.98	3830.28	3831.35	1.07	3833.46	3.17	
35	10666733.30	374937.62	3830.62	3832.00	1.38	3833.62	3.00	
36	10666775.20	374964.89	3830.25	3831.29	1.04	3833.25	3.00	
37	10666817.00	374992.31	3829.75	3830.91	1.16	3832.75	3.00	
38	10666860.27	375017.34	3829.07	3830.93	1.86	3832.90	3.82	
39	10666904.56	375040.53	3829.60	3831.35	1.75	3833.23	3.63	
40	10666948.15	375064.91	3830.49	3831.49	1.00	3833.56	3.07	
41	10666987.51	375079.45	3829.71	3830.85	1.14	3832.71	3.00	
42	10666998.70	375030.72	3830.70	3832.45	1.75	3834.45	3.75	
43	10667008.70	374981.74	3831.68	3832.78	1.10	3834.69	3.01	
44	10667017.62	374932.55	3831.86	3832.91	1.05	3834.91	3.05	
45	10667028.37	374883.72	3832.06	3833.11	1.05	3835.15	3.09	
46	10667036.94	374834.61	3832.21	3833.26	1.05	3835.26	3.05	
47	10667002.87	374804.43	3831.92	3832.99	1.07	3834.95	3.03	
48	10666957.82	374782.74	3831.44	3832.56	1.12	3834.44	3.00	
49	10666912.57	374761.47	3831.49	3832.57	1.08	3834.50	3.01	
50	10666866.68	374741.62	3831.46	3832.46	1.00	3834.46	3.00	
51	10667038.09	375039.87	3819.68	3821.03	1.35	3823.03	3.35	
52	10667048.70	374989.02	3820.12	3821.67	1.55	3823.73	3.61	
53	10667059.82	374940.23	3820.42	3821.43	1.01	3823.50	3.08	
54	10667070.58	374893.01	3820.45	3821.47	1.02	3823.49	3.04	
55	10667083.84	374834.73	3820.51	3822.02	1.51	3824.04	3.53	
56	10667084.02	374804.98	3819.49	3821.17	1.68	3822.98	3.49	
57	10667072.94	374785.24	3818.17	3819.96	1.79	3821.97	3.80	
58	10667026.92	374754.63	3815.95	3817.78	1.83	3819.71	3.76	
59	10666983.34	374729.01	3814.01	3815.85	1.84	3817.83	3.82	
60	10666937.88	374702.98	3812.41	3814.59	2.18	3816.46	4.05	
61	10666893.07	374680.62	3811.39	3813.05	1.66	3815.05	3.66	
62	10666859.30	374666.07	3811.03	3812.05	1.02	3814.06	3.02	
63	10666828.06	374656.70	3810.71	3811.71	1.00	3813.73	3.02	
64	10666805.76	374655.71	3810.91	3811.91	1.00	3813.93	3.02	

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	Northing	Easting	Elevation	As-Built Elevation	Difference	As-Built Elevation	Difference	
				ECS Survey	Δ in FT	ECS Survey	Δ in FT	
65	10666773.24	374686.87	3812.51	3813.80	1.29	3815.58	3.07	
66	10666727.54	374736.74	3812.56	3813.64	1.08	3815.64	3.08	
67	10666693.36	374776.69	3813.01	3814.07	1.06	3816.01	3.00	
68	10666671.43	374795.94	3811.96	3813.13	1.17	3815.07	3.11	
69	10666648.82	374815.20	3810.71	3812.03	1.32	3813.85	3.13	
70	10666607.57	374837.44	3805.25	3806.46	1.21	3808.26	3.01	
71	10666585.17	374865.27	3802.65	3803.77	1.12	3805.78	3.13	
72	10666570.99	374913.18	3798.22	3799.27	1.05	3801.41	3.19	
73	10666576.13	374958.23	3795.36	3796.39	1.03	3798.39	3.03	
74	10666636.11	374982.26	3803.01	3804.01	1.00	3806.02	3.01	
75	10666682.14	375011.87	3803.14	3804.33	1.19	3806.14	3.00	
76	10666727.09	375036.04	3803.81	3804.82	1.01	3806.83	3.02	
77	10666774.12	375061.32	3804.36	3805.41	1.05	3807.41	3.05	
78	10666821.64	375086.87	3804.74	3805.74	1.00	3807.91	3.17	
79	10666869.34	375111.22	3805.65	3806.83	1.18	3808.69	3.04	
80	10666908.92	375128.98	3806.69	3807.91	1.22	3809.90	3.21	
81	10666954.51	375149.71	3806.00	3807.47	1.47	3809.00	3.00	
82	10666992.46	375165.14	3805.60	3807.11	1.51	3808.61	3.01	
83	10667037.64	375177.93	3805.97	3806.97	1.00	3808.99	3.02	
84	10667092.28	375193.16	3804.68	3805.87	1.19	3807.83	3.15	
85	10667131.15	375198.17	3805.75	3806.88	1.13	3808.91	3.16	
86	10667052.00	375058.08	3814.99	3816.00	1.01	3818.00	3.01	
87	10667055.70	375043.97	3814.68	3815.69	1.01	3817.69	3.01	
88	10667069.15	374992.75	3813.89	3814.89	1.00	3816.89	3.00	
89	10667082.84	374944.41	3813.05	3814.05	1.00	3816.05	3.00	
90	10667096.65	374898.76	3811.88	3812.89	1.01	3814.89	3.01	
91	10667109.79	374847.79	3812.00	3812.15	0.15	3814.14	2.14	Fine Pile V-Ditch
92	10667114.86	374813.18	3810.35	3810.36	0.01	3812.36	2.01	Fine Pile V-Ditch
93	10667110.77	374792.02	3809.76	3809.99	0.23	3811.98	2.22	Fine Pile V-Ditch
94	10667095.94	374762.44	3808.51	3809.51	1.00	3811.51	3.00	
95	10667076.63	374743.02	3806.70	3807.71	1.01	3809.71	3.01	
96	10667043.74	374719.80	3804.81	3805.86	1.05	3807.85	3.04	

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	Northing	Easting	Elevation	As-Built Elevation	Difference	As-Built Elevation	Difference	
				ECS Survey	Δ in FT	ECS Survey	Δ in FT	
97	10667001.78	374690.20	3801.11	3802.30	1.19	3804.29	3.18	
98	10666955.40	374662.48	3799.46	3800.49	1.03	3802.48	3.02	
99	10666911.24	374638.62	3797.43	3798.45	1.02	3800.44	3.01	
100	10666872.68	374617.79	3795.68	3796.68	1.00	3798.68	3.00	
101	10666836.32	374598.14	3793.63	3794.65	1.02	3796.64	3.01	
102	10666804.52	374585.84	3792.24	3792.45	0.21	3794.45	2.21	Fine Pile V-Ditch
103	10666780.13	374592.97	3791.72	3791.75	0.03	3793.52	1.80	Fine Pile V-Ditch
104	10666737.01	374631.82	3791.11	3792.14	1.03	3794.14	3.03	
105	10666676.47	374688.67	3789.60	3790.06	0.46	3792.06	2.46	Fine Pile V-Ditch
106	10666635.38	374725.97	3787.35	3788.36	1.01	3790.36	3.01	
107	10666584.89	374770.15	3784.88	3785.89	1.01	3787.89	3.01	
108	10666539.51	374817.63	3783.37	3784.77	1.40	3786.77	3.40	
109	10666523.43	374868.12	3782.78	3783.86	1.08	3785.86	3.08	
110	10666519.95	374913.32	3782.69	3782.87	0.18	3784.87	2.18	Fine Pile V-Ditch
111	10666546.14	374977.03	3784.12	3785.30	1.18	3787.30	3.18	
112	10666589.29	375019.45	3784.80	3785.89	1.09	3787.87	3.06	
113	10666647.50	375062.14	3782.93	3784.33	1.40	3786.33	3.40	
114	10666692.30	375087.48	3783.51	3784.52	1.01	3786.51	3.00	
115	10666740.88	375114.82	3783.27	3784.50	1.23	3786.50	3.22	
116	10666790.60	375142.74	3783.72	3784.79	1.07	3786.77	3.05	
117	10666840.14	375169.83	3784.46	3785.51	1.05	3787.49	3.03	
118	10666873.18	375187.34	3785.23	3785.75	0.52	3787.75	2.52	Fine Pile V-Ditch
119	10666938.74	375205.40	3786.99	3788.15	1.16	3790.14	3.15	
120	10666990.29	375219.05	3788.32	3789.41	1.09	3791.41	3.09	
121	10667031.39	375229.28	3788.82	3789.88	1.06	3791.88	3.06	
122	10667068.12	375235.01	3789.69	3790.70	1.01	3792.70	3.01	
123	10667118.41	375243.81	3790.23	3791.34	1.11	3793.34	3.11	
124	10667151.62	375248.06	3791.12	3792.15	1.03	3794.15	3.03	